

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Thre Patent Application of:

Lawrence M. Giacoma et al.

Appln. No.: 10/606,452

Filed: June 26, 2003

For: HEAT EXCHANGER WITH INCREASED

HEAT TRANSFER EFFICIENCY AND A LOW-COST METHOD OF FORMING THE

**HEAT EXCHANGER** 

Group Art Unit: Unknown

Examiner: Unknown

SUBMISSION OF SUBSTITUTE DRAWINGS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 CFR §1.21(b)(3), please replace the informal drawings filed with the application with the attached substitute drawings. The substitute drawings are believed to include no new matter. A marked-up version of the informal drawings has not been included as it is believed that the substitute drawings have the same content as the informal drawings, with the exception that arrowheads have been deleted in several figures for width (W) and length (L).

Respectfully submitted,

Dated: 7 - 17 - 03

Mark C. Pickering Registration No. 36,239 Attorney for Applicants

P.O. Box 300 Petaluma, CA 94953-0300

Direct Dial Telephone No. (707) 762-5583

Main Telephone: (707) 762-5500

Facsimile: (707) 762-5504 Customer No. 33402 gradie 🐇

TRANSMITTAL FORM  (to be used for all correspondence after initial filing)  Total Number of Pages in This Submission 12		Application Number	10/606,452
		Filing Date	June 26, 2003
		First Named Inventor	Lawrence M. Giacoma et al.
		Group Art Unit	Unknown
		Examiner Name	Unknown
		Attorney Docket Number	200-65200 (2003-00399)
	ENCL	OSURES (check all that apply)	
Fee Transmittal Form	Assignment Papers (for an Application)		After Allowance Communication to Group
Fee Attached		g(s) 10 sheets ute-formal)	Appeal Communication to Board of Appeals and Interferences
Amendment/Response	Licensing-related Papers		Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
After Final (Response)	Petition Routing Slip (PTO/SB/69) and Accompanying Petition		Proprietary Information
F7		n to Convert to a conal Application	Status Inquiry
Extension of Time Request		of Attorney, Revocation e of Correspondence Address	Other Enclosure(s) (please identify below):
Express Abandonment Request	☐ Terminal Disclaimer ☐ Request for Refund		Return Receipt Postcard Certificate of Mailing Submission of Substitute Drawings
Information Disclosure Statement	CD, N	umber of CD(s)	
Certified Copy of Priority Document(s)	Rema	rks	
Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53			,
SIGNA	TURE OF	APPLICANT, ATTORNEY, C	OR AGENT
Firm or Individual name  Mark C. Pickering	, Reg. No. 36	5,239	
Signature MMM	C.Fu	il =	
Date July 17, 2003		/ 	<del></del>
	CE	RTIFICATE OF MAILING	

Burden Hour Statement: This settimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be send to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.